

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,778,021 B2  
APPLICATION NO. : 10/733681  
DATED : August 17, 2004  
INVENTOR(S) : Gilles P. Denoyer and Daniel Case

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2

Line 52, before "by the average" change "loops" to --loop--

Line 65, after "used" remove "for"

Column 4

Line 34, before "cancellation" change "DC/AGC" to --DC/AC--

Line 62, after "digital signal" remove "114" (OURS not labeled in Figs.)

Column 5

Line 5, before "forward" change "an" to --a--

Line 13, after "thereof." remove "341"

Line 13, before "The feedback" begin a new paragraph.

Line 44, before "This" remove "In"

Column 6

Line 10, before "the emitter" remove "the output of"

Line 45, change "FIG. 3 and the collector" to --FIG. 3, the collector--

Line 46, change "photodiode, the" to --photodiode, and the--

Line 47, after "base" change "o" to --of--

Column 7

Line 65, before "and the feedback" remove "where"

Column 10

Line 52, change " $f_{HPF-3dB} = R_f \cdot A_1 g_m 2 \cdot B \cdot f_o$ " to

$\underline{\underline{f_{HPF-3dB} = R_f \cdot A_1 \cdot g_m 2 \cdot B \cdot f_o}}$

Line 57, change " $f_{HPF-3dB} = R_C \cdot A_1 g_m 1 \cdot B \cdot f_o$ " to

$\underline{\underline{f_{HPF-3dB} = R_C \cdot A_1 \cdot g_m 1 \cdot B \cdot f_o}}$

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Column 12

Lines 5 to 13, change all text and equations starting on line 5 with " $I_2 = I_{PD} + I_{RF1}$  and" and ending on line 13 with " $I_{RF5} = I_{RF1} = I_3$  (27)" to

$$I_3 = \frac{I_2}{N} \quad (24)$$

-- Line 50, change

$$g_{m1} = \frac{I_{Q1}}{V_T} = \left[ \frac{V_{CC} - 2V_{BE}}{R_C} \cdot \left( \frac{1}{R_C} \right) \right] - \left[ \left( \frac{R_F}{R_C} \right) \cdot \left( \frac{I_{PD}}{(N-1)} \right) \cdot \left( \frac{1}{V_T} \right) \right] \text{ " to}$$

$$g_{m1} = \frac{I_{Q1}}{V_T} = \left[ \frac{V_{CC} - 2V_{BE}}{R_C} \cdot \left( \frac{1}{R_C} \right) \right] - \left[ \left( \frac{R_F}{R_C} \right) \cdot \left( \frac{I_{PD}}{(N-1)} \right) \cdot \left( \frac{1}{V_T} \right) \right] \text{ --}$$

Column 14

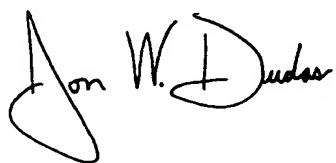
Line 47, after "first circuit" remove "that"

Column 15

Line 39, before "a first emitter size;" change "have" to --having--

Signed and Sealed this

Third Day of October, 2006



JON W. DUDAS  
Director of the United States Patent and Trademark Office